ABSTRACT

An active noise controller can determine the signal transmission characteristics from the power amplifier and the speaker to the microphone without using any special external measuring instrument and calculate a cosine correction value and a sine correction value without using an external computer. The active noise controller uses the cosine correction value and the sine correction value to actively reduce vibrational noise. The measurement mode is selected on touch panel (3), and correction value calculator (22) calculates cosine correction value C0 and sine correction value C1 by using filter coefficients W0 and W1 which allow error signal e'(n) to approach zero. Memory (23) stores these values C0 and C1.